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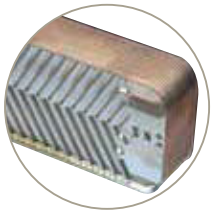
Nuvola3 BS40

- 40 lt thermal dynamic stratification cylinder:
  - immediate DHW delivery thanks to 40 lt storage ready to be used at the needed temperature
  - less scale formation thanks to the DHW plates exchanger
  - high sanitary performances thanks to high efficiency of heat exchanger
- Vertical hydraulic connections for easier replacement of existing boilers
- Digital control panel with wide LCD display with text and symbols clearly showed
- Up to 440 litres DHW production in 30' (ΔT 30°C)

Wide LCD display
With dedicated push-buttons for programming and regulation, for a clear display of the information



any scale formation is blocked thanks to the direct DHW exchange through the plates exchanger

Hydraulic system

3 way electric diverter valve
Steel burner
Primary exchanger made of copper pipes protected with anticorrosion coating
30 lt vitrified stratification cylinder
Automatic by-pass
Low energy pump with automatic air vent
System to prevent pump and 3 way valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar
Cylinder relief valve set at 8 bar
Sanitary recirculation option

Thermoregulation system

Two heating temperatures possible ranges: 30/85°C, 30/45°C
Built-in climatic regulation (outdoor sensor available as optional)
Remote controller and climatic regulator (supplied as optional)
Control of multi-zones system option

Control system

Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in the event of low water
Pressure switch to ensure safe discharge of flue products (fanned flue models)
Flue thermostat to ensure safe discharge of flue products (open flue models)
Full anti-frost device
Anti-legionella function
Electronic thermometer
AFR system, patented by Baxi that allows the efficiency optimization thanks to a perfect inlet air regulation (fanned flue models with dual flue system)
Heating circuit pressure gauge

			Combi with DHW storage				
			Fanned flue			Open flue	
Product code	Natural Gas	CSB	140 Fi BS40 45714351	240 Fi BS40 45724351	280 Fi BS40 45728351	240 i BS 40 45424351	280 i BS40 45428351
Maximum heat input		kW	15,3	26,3	30,1	27,1	31,1
Minimum heat input		kW	6,9	11,9	11,9	11,9	11,9
Maximum heat output		kW	14	24,4	28	24,4	28
Minimum heat output		kW	6	10,4	10,4	10,4	10,4
Maximum efficiency		%	90,9	92,9	93,1	90,2	90,6
Energetic efficiency (92/42/CEE)			★★	★★★	★★★	★★	★★
Efficiency at 30%		%	88,3	90,4	90,5	89,4	89,5
Minimum working temperature		°C	-5	-5	-5	-5	-5
Expansion vessel/pre-charge		l/bar	7/0,5	7,5/0,5	7,5/0,5	7,5/0,5	7,5/0,5
Heating system max pressure		bar	3	3	3	3	3
Heating temperature range		°C	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45	30/85 30/45
DHW temperature range		°C	35/65	35/65	35/65	35/65	35/65
Cylinder capacity		l	30	30	30	30	30
Specific flow according to EN 625		l/min	11,4	16	17,5	16	17,5
DHW production ΔT 25°C [1]		l/min	8,1	14	16,1	14	16,1
DHW production at discharge ΔT 30°C [1]		l/30'	230	350	400	350	400
Maximum pressure on DHW circuit		bar	8	8	8	8	8
Flue tube		Ø mm	-	-	-	140	140
Coaxial flue system Ø 60/100		m	5	4	4	-	-
Dual flue system Ø 80 max length		m	30	30	30	-	-
Maximum flue mass flow rate		kg/s	0,015	0,017	0,018	0,022	0,024
Minimum flue mass flow rate		kg/s	0,015	0,018	0,018	0,021	0,021
Maximum flue temperature		°C	120	134	142	110	115
Dimensions (h x w x d)		mm	950 x 600 x 466				
Net weight		kg	63	63	63	53	53
Gas type			Natural Gas/LPG ▲				
Power consumption		W	190	190	215	140	165
Grade of protection			IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

[1] Without flow restrictor.
▲ For operation with LPG use the conversion kit (injectors) available as optional.